BANGALORE MAHANAGARA PALIKE

Yelahanka Satellite Town Sub Division, Bangalore

Developmental works near Vivekananda park Yelahanka 4th phase & SFS 707 in Attur ward no 03 Yelahanka New Town Sub Division

Sl. No.	Description	Dimensions				Qty.	Rate / Unit	Amount
		No.	L.	B.	D			
1	2	3	4	5	6	7	8	9
1	KSRRB M200-15.2 : Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification.iii) Dismantling Stone Masonry. B.Rubble Stone masonry in cement mortar (Page No.134, Item No. 18.27)							
	Existing walls	1	32.00	0.60	2.00	38.40		
						38.40	250.56	9622.00
							Per Cmtr	
	Basic Rate	232.00						
	Add 8% A.W	18.56						
	Total	250.56						
2	KSRRB M200-12.2: Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification.i) Lime/Cement concrete. I.By Manual means : A. Lime/Cement Concrete, I.By Manual means : B cement concrete Grade M-15 & M-20 (Page No.133, Item No. 18.18)							
		1	32.00	3.00	0.20	19.20		
						19.20	382.32	7341.00
	Basic Rate	354.00					Per Cmtr	
	Add 8% A.W	28.32						
	Total	382.32						
3	KSRRB M2100-2.1 : Earth work in excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications. B. Mechanical Means (i) Depth upto 3 m. MORTH Specification No.Section 304 (Page No.206, Item No. 27.4)							
		1	32.00	4.00	4.00	512.00		
	Deduction for existing vent	-1	32.00	3.00	1.50	-144.00		
						368.00		
					Total	**368.00**		
	a) In ordinary soil					368.00	51.84	19077.00
	Basic Rate	48.00					Per Cmtr	
	Add 8% A.W	3.84						

	Total	51.84						
4	KSRB 2.8 : Providing and Filling in foundation with granite/trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead upto 50m and lift of 1.5m complete as per specifications.Specification No.KBS (Page No.6, Item No. 2.15)							
	culvert portion	1	32.00	3.80	0.30	36.48		
						36.48	2174.04	79309.00
							Per Cmtr	
	Basic Rate	2013.00						
	Add 8% A.W	161.04						
	Total	2174.04						
5	KSRRB M2100-10 : Plain cement concrete M 10 with OPC cement @ 220 kgs with crushed 40m and down size graded grantie metal coarse aggregates @ 0.84 cum and fine aggregates @ 0.56 cum in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications. MORTH Specification No.2100 (Page No.208, Item No. 27.18)							
	Culvert portion	1	32.00	3.60	0.10	11.52		
						11.52	5805.00	66874.00
							Per Cmtr	
	Basic Rate	5375.00						
	Add 8% A.W	430.00						
	Total	5805.00						
6	KSRRB M2100-20.2 : Plain / Reinforced Cement concrete in open foundation with OPC cement design mix M35 @ 390 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.68 cum and fine aggregates @ 0.45 cum with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed-2010complete as per drawing and technical specification. Case-II : With Batching Plant, Transit Mixer and Concrete Pump. MORTH Specification No.1500, 1700 & 2100 (Page No.210, Item No. 27.37)							
	Drain Raft	1	32.00	3.40	0.40	43.52		
						43.52	6599.88	287227.00
							Per Cmtr	
	Basic Rate	6111.00						
	Add 8% A.W	488.88						
	Total	6599.88						
7	KSRRB M2200-5.18 : Design mix M 35 with OPC cement @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.68cum and fine aggregates @ 0.45 cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008 i) upto 5m height (Page No.214, Item No. 28.7.18)							
	Drain walls	1	32.00	0.30	3.00	28.80		
						28.80	7429.32	213964.00
							Per Cmtr	
	Basic Rate	6879.00						
	Add 8% A.W	550.32						

	Total	7429.32						
8	KSRRB M2300-8.1 : Furnishing and Placing Reinforced / Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. D.RCC/PSC with OPC cement design mix M35 @ 390kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.68cum and fine aggregates @ 0.45cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008. Case-II : Using Batching plant, Transit mixer & concrete pump Height upto 5m (Page No.223, Item No. 29.16.1)							
	For Slab	1	32.00	3.40	0.30	32.64		
						32.64	7522.20	245525.00
	Basic Rate	6965.00					Per Cmtr	
	Add 8% A.W	557.20						
	Total	7522.20						
9	KSRRB M2200-6: Supplying, fitting and placing TMT bar reinforcement in sub-structure as per drawing and Technical Specifications complete as per specifications. MORTH Specification No.1600 & 2200 (Page No.215, Item No. 28.8)							
	For foundation @ 110kg/cum		4.79			4.79		
	For Substructure @ 100kg/cum		2.88			2.88		
						7.67	69142.68	530131.00
	Basic Rate	64021.00					Per MT	
	Add 8% A.W	5121.68						
	Total	69142.68						
10	KSRRB M2300-14 : Supplying, fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications. MORTH specification No.1600 (Page No.~~228~~ 231, Item No. 29.29) Fe-500							
	For Culvert slab @ 120kg/ cum		3.92			3.92		
						3.92	70047.72	274363.00
	Basic Rate	64859.00					Per MT	
	Add 8% A.W	5188.72						
	Total	70047.72						
11	KSRRB M2200-8, Providing weep holes in brick masonry/ plain/ Reinforced concrete abutment, wing wall/ return wall with 100 mm dia AC pipe, extending trough the full width of the structure with slope of 1v : 20H towards drawing face. Complete as per drawing and Technical Specification Complete as per specifications MORTH specifications No.2706 & 2200 (Page No.215 Item No. 28.10)							
	for walls 0.45 mtr pipe	60.00				**60.00**		
						60.00	180.36	10822.00
	Basic Rate	167.00					Nos/ Rmt	
	Add 8% A.W	13.36						
	Total							

12	Collecting, conveying and disposal of surplus / excavated earth to designated dupmping site (~~15.00~~ kms) as directed by the Engineer in charge. 4K#4 P No.135 Item No - 18.1 x 17.4 of P.W.D. SR 7th 2015-16 for 4 km lead ~~4.00~~ x 1.28 x 2.2					184.00	~~94.15~~ 85.6 85.6	15750
		11.26		~~11.26~~ 19.18 42.24		**184.00**	109.51 Per Cum	20150.00
	~~Basic Rate~~	~~38.40~~		~~11.26~~			~~119.06~~	
	Loading & Unloading	68.00 ~~63.00~~		68.00				
	Total	~~79.26~~ ~~101.40~~		~~87.78~~ ~~79.26~~ 110.24				
	Add 8% A.W 6.34 ~~79.26~~	8.11		6.97 ~~6.34~~ 8.82				
	Total 85.60	109.51		94.15 85.60 119.06				
13	KSRRBM400-17, Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site,laying in uniform layers with paver in sub base/base course on well prepared surface and compacting with vibratory roller to achieve the desired dencity complete as per specifications. MORTH Specification No.406(Item no20.18,Page no~~154~~157,PWD SR 2015-16)							
		1	44.00	7.00	0.20	61.60		
						61.60	1713.96	105580.00
							Per Cum	
	Basic Rate	1587.00						
	Add 8% A.W	126.96						
	Total	1713.96						
14	KSRRB M500-6,Providing and applying primer coat with S.S.bitumen emulsion on prepared surface of granular base such as WBM,WMM including cleaning of road surfase and spraying primer at the rate of .60kg/Sqm using mechanical means complete as per specifications. MORTH SpecificationsNo502 (ITEMNO21.6,Page no~~157~~160,PWD SR 2015-16)							
		1	44.00	7.00		308.00	32.40	9979.00
	Basic Rate	30.00						
	Add 8% A.W	2.40						
	Total	32.40						
15	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with a ~~hydrostatic~~ mechanical paver finisher ~~with sensor control~~ to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers toachieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 Page No. 164 Item No 21.22.6 40/60 9822.60 121014=00							
		1	44.00	7.00	0.040	12.32	9401.40	115825.00
	Basic Rate	~~8705.00~~		9025				
	Add 8% A.W	~~696.40~~		797.60				
	Total	9401.40		9822.6				

6	Miscellaneous	3422 4211.00
	GRAND TOTAL Rs.	2000000.00

CERTIFICATE

1 The work spot has been inspected and the work is found to be necessary.

2 The Estimate is prepared as per the PW, P & WTD SR 2015-16

3 The provision made in estimate are adequate and essential.

R.N Pandey
Assistant Engineer

Asst.Executive Engineer

Executive Engineer

Administrative Approval
Accorded For 20,00,000/-
Head of A/C P-1771
CER NO :.....HO..... Dt...01.01.2016

TA CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 20.00 lacs
Rupees Twenty Lakhs only
Under P. 1771-2015-16
Registered as CE( ) No. ... 9 8
subject to conditions contained in
enclosed memo CE( ) No. ... /91
Dt. ... Sanctioned
EE/YNK/TS
Dated 2.1.16 Rs. 20.00 Lacs
Executive Engineer